

Converting Colors

XYZ(14.9010, 6.0220, 78.1013)

Have a look what the booklet for
XYZ(14.9010, 6.0220, 78.1013)
contains.

XYZ(14.9214, 6.0250, 78.2184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.9214, 6.0250,
78.2184)**

Conversions

Conversions Part 1

Format	Color
Hex	0303EA
RGB	3, 3, 234
RGB Percent	1%, 1%, 92%
CMY	0.9880, 0.9883, 0.0824
CMYK	0.99, 0.99, 0.00, 0.08
HSL	240°, 97%, 46%
HSV	240°, 99%, 92%
XYZ	14.9214, 6.0250, 78.2184
YIQ	29.3340, -74.1510, 71.8410

Conversions

Conversions Part 2

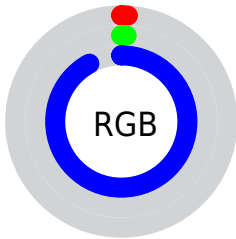
Format	Color
R _Y B	3, 3, 234
Decimal	197610
CIE Lab	29.48, 73.71, -100.71
CIE LCh	29, 124.809, 306.201
Yxy	6.0250, 0.1505, 0.0608
Android (android.graphics.Color)	4278387690 (0xFF0303EA)
YUV	29.3340, 100.9003, -23.0949
Hunter-Lab	24.5459, 65.5546, -171.7526

Details

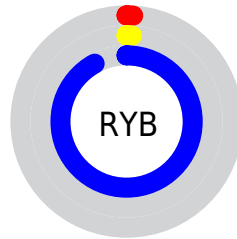
The XYZ color **14.9214, 6.0250, 78.2184** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **63.3435, 76.3306, 11.4803**, and the grayscale version is **1.1302, 1.1890, 1.2949**.

A 20% lighter version of the original color is **27.3806, 15.1892, 96.0964**, and **7.8365, 3.1346, 41.2663** is the 20% darker color. If you saturate the color by 10%, you get **14.8524, 5.9411, 78.2061**, and if you desaturate by 10%, it is **15.6669, 6.9219, 78.3525**.

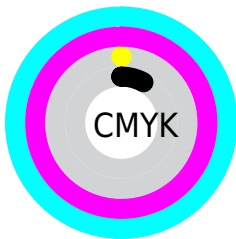
Distribution



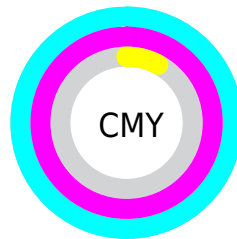
- Red (1%)
- Green (1%)
- Blue (92%)



- Red (1%)
- Yellow (1%)
- Blue (92%)



- Cyan (99%)
- Magenta (99%)
- Yellow (0%)
- Black (8%)



- Cyan (99%)
- Magenta (99%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9214, 6.0250, 78.2184 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 14.9214, 6.0250, 78.2184 by changing the saturation by 10% instead.

■ 14.9214, 6.0250,
78.2184

■ 14.9214, 6.0250,
78.2184

216.2878,
159.2971, 508.4558

■ 8.8502, 2.8603,
57.7359

■ 34.2880, 17.9830,
132.6466

■ 4.6999, 1.0592,
41.1831

■ 48.3142, 27.5450,
167.4294

■ 2.1052, 0.0000,
28.1414

■ 65.7226, 40.0083,
207.8161

■ 0.6921, 0.0000,
18.1923

■ 86.8788, 55.7572,
254.2251

■ 0.0000, 0.0000,
10.9173

■ 112.1481, 75.1762,
307.0750


■ 0.0000, 0.0000,
5.8978


■ 141.8958, 98.6495,

■ 0.0000, 0.0000,


366.7844


2.7152


 176.4872,
126.5617, 433.7718

 0.0000, 0.0000,
0.9511


 0.0000, 0.0000,
0.0000


 14.9214, 6.0250,
78.2184


 14.9214, 6.0250,
78.2184

 14.8524, 5.9411,
78.2061

 15.6669, 6.9219,
78.3525

 17.2903, 8.8771,
78.6443

 20.0113, 12.1549,
79.1336

 23.9775, 16.9334,
79.8469

■ 29.3138, 23.3629,
80.8067

■ 36.1299, 31.5759,
82.0327

■ 44.5245, 41.6912,
83.5427

■ 54.5876, 53.8174,
85.3529

■ 66.4025, 68.0549,
87.4783

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



6.9912, 6.0250, 112.9915



14.9214, 6.0250, 78.2184



22.6985, 6.0250, 29.0618

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



14.9214, 6.0250, 78.2184



11.3722, 6.0250, 0.0000



0.0725, 6.0250, 10.5590

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



14.9214, 6.0250, 78.2184



63.3435, 76.3306, 11.4803

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0.3138, 6.0250, 0.0318



14.9214, 6.0250, 78.2184



4.6245, 6.0250, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



14.9214, 6.0250, 78.2184



19.8661, 6.0250, 0.0000



1.3910, 6.0250, 0.0000



0.6429, 6.0250, 47.9100

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



14.9214, 6.0250, 78.2184



25.0445, 6.0250, 8.8628



1.3910, 6.0250, 0.0000



0.0614, 6.0250, 4.6955

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



14.9220, 6.0250, 78.2186



52.5515, 48.7877, 101.2549



44.3115, 64.8056, 88.0155



10.2971, 9.2965, 21.5016



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.9220, 6.0250, 78.2186



18.0512, 7.2206, 95.0501



22.4215, 9.8911, 78.5696



14.2318, 14.5492, 18.9804



8.3464, 3.3387, 43.9475



0.6556, 0.2623, 3.4509

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48.8034, 23.4929, 79.7413



59.2751, 28.4740, 96.9014



36.9771, 62.7383, 10.2463



15.7146, 15.3137, 19.0485



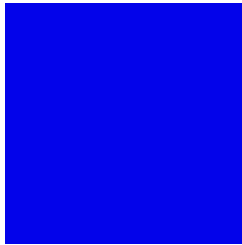
27.4066, 13.1653, 44.8042



2.1522, 1.0338, 3.5186

Previews

White Background



This preview shows how the XYZ color 14.9214, 6.0250, 78.2184 looks on a white background.

Color Contrast Check

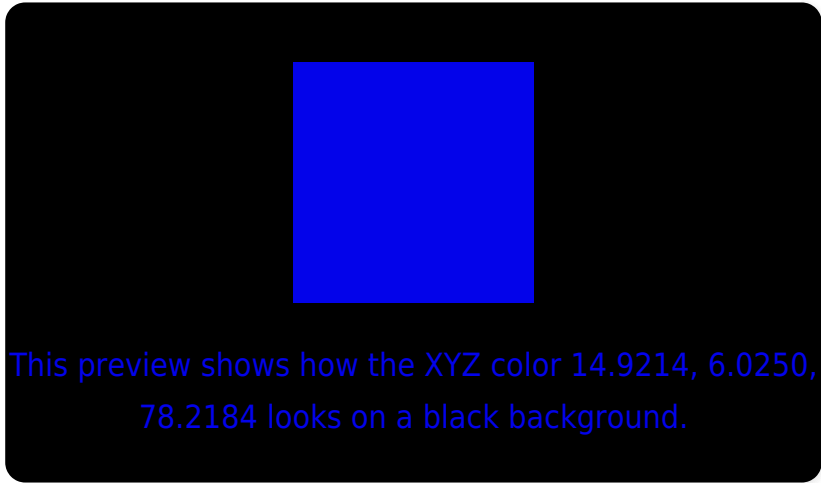
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

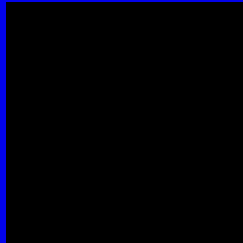
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9214, 6.0250, 78.2184

Background



This preview shows how black text looks on a background with the XYZ color 14.9214, 6.0250, 78.2184.



This preview shows how white text looks on a background with the XYZ color 14.9214, 6.0250,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

14.9214, 6.0250, 78.2184

Protanopia

7.0250, 6.1174, 26.7971

Deuteranopia

5.8337, 6.1456, 18.9679



Tritanopia

4.3190, 6.2012, 8.9520

Trichromacy



Original Color

14.9214, 6.0250, 78.2184

Protanomaly

8.7497, 4.9424, 41.5671

Deuteranomaly

7.5911, 4.7290, 34.6951

Tritanomaly

5.7117, 4.1802, 24.1727

Monochromacy



Original Color

14.9214, 6.0250, 78.2184

Achromatopsia

1.1678, 1.2286, 1.3380

Achromatomaly

3.0373, 1.6485, 13.2548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9214, 6.0250, 78.2184 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(3, 3, 234)` looks like.

```
.text, #text, p{  
    color:rgb(3, 3, 234)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(3, 3, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 3, 234) }
```

Border

The CSS property to change the border of an element to XYZ 14.9214, 6.0250, 78.2184 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(3, 3, 234) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(3, 3, 234) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(3, 3, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 3, 234); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 3, 234); box-shadow:4px  
4px 4px 4px rgb(3, 3, 234) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9214, 6.0250, 78.2184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 3, 234) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(3, 3,  
234) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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